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the public a catalogue of botanical works such as has never before been issued. The titles are printed on one side of each sheet only, so that additions may readily be entered on the blank pages. Four alphabets are made: "General," "Travels," "Periodicals and Serials," and "Manuscripts."

T.

The Flora of New Zealand.¹—The Education Department of the New Zealand Government has issued a handy volume comprising Ranunculaceæ to Compositæ, and forming part of the *Students' Flora* of that region, on which the late Professor Kirk was at work at the time of his death. From an introductory notice it appears that arrangements are likely to be made for completing the work, and it is said that the figures selected to illustrate the *Flora*, and which are to be printed from an unpublished set of copperplates engraved many years ago for Sir Joseph Banks, will form a separate volume.

T.

Botanical Notes.—In Vol. XVI of the *Transactions* of the Kansas Academy of Science Professor Hitchcock publishes the first part of a "List of plants in my Florida herbarium." The list is arranged in the familiar sequence of Bentham and Hooker, and extends from Ranunculaceæ through Bromeliaceæ, and includes twelve hundred and fifty-six numbered species and varieties, for each of which localities are cited.

Part XIII of Mr. Macoun's "Contributions to Canadian Botany," published in *The Ottawa Naturalist* for October, contains notes on the distribution of a considerable number of critical species, among which the blue violets are especially notable.

The *Revue Tunisienne* for October contains the concluding part of a catalogue of the vascular plants of the vicinity of Carthage, which should be of interest to travelers in the Mediterranean. It is curious to observe that only one fern, the true maidenhair, is recorded.

An excellent photograph of the trunk of well-grown American white birch is contained in *Forest Leaves* for October.

An analysis of the frond and stipe anatomy of the ferns of the French Flora, and an analytical key to the genera, based on anatomical characters, are contributed by Parmentier to Vol. IX of the *Annales des Sciences Naturelles, Botanique*.

¹ Kirk, T. *The Students' Flora of New Zealand and the Outlying Islands*. Wellington.

Professor D. H. Otis publishes in the last volume of *Transactions* of the Kansas Academy of Science the results of some experiments on the production of root tubercles on Leguminosæ by inoculating the soil in which they were grown with soil containing the symbiotic fungi which cause the tubercles, showing again that it is practicable to produce such tubercles by inoculation.

One hundred and fifty-four Uredineæ of Kansas are enumerated by Mr. Bartholomew in the last volume of *Transactions* of the Kansas Academy of Science.

Mr. J. B. S. Norton has done a useful piece of work in bringing together for the last volume of *Transactions* of the Kansas Academy of Science a bibliography of literature relating to the effects of wind on plants.

The botanical section of the British Association meeting at Dover was well attended by the British botanists, and the sessions were full of interest. The foreign representation was smaller than has usually been the case. Among those who presented papers or took part in the discussion were the following: Professor E. G. Bertrand, Professor F. O. Bower, Professor D. H. Campbell, Professor F. Darwin, Professor J. B. Farmer, Professor Reynolds Green, Professor M. Hartog, Sir Joseph Hooker, Sir George King, Mr. Arthur Lister, Dr. D. H. Scott, Professor A. C. Seward, Sir W. T. Thistleton-Dyer, Professor Harold Wager, Professor H. Marshall-Ward, and others.